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(54) SENSOR SYSTEM FOR PROTECTING
PEDESTRIAN

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a pedestrian protecting sensor system in which collision with a pedestrian can be easily discriminated from collision with other things, and in which time required for above discrimination can be shortened.

SOLUTION: In a pedestrian protecting sensor system provided with lifting mechanisms 5a, 5b, a car speed sensor 11, a pedestrian detection means 2, and a controller 12, the pedestrian detection means 2 is composed of a load or displacement sensor disposed in a car width direction inside or around a front bumper 1 to output in proportion to load quantity or displacement quantity in a vehicle axial direction, and it detects collision with a pedestrian to lift a hood 4 when outputs of the car speed sensor 11 and the load or displacement sensor coincide with predetermined conditions.

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